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DESCRIPTORS: *Boron, Exploration, *Well logging,
Rock, Thermal neutrons, Neutron capture,
Geophysical prospecting.

The purpose of our research was the study of the
behaviors of the curves of neutron logging in rocks
which contain elements with an abnormally large
cross-section of the capture of thermal neutrons; our
aim was the determination of the possibility of arrang-
ing the logging of these elements. We explored the
possibility of the determination of the presence of
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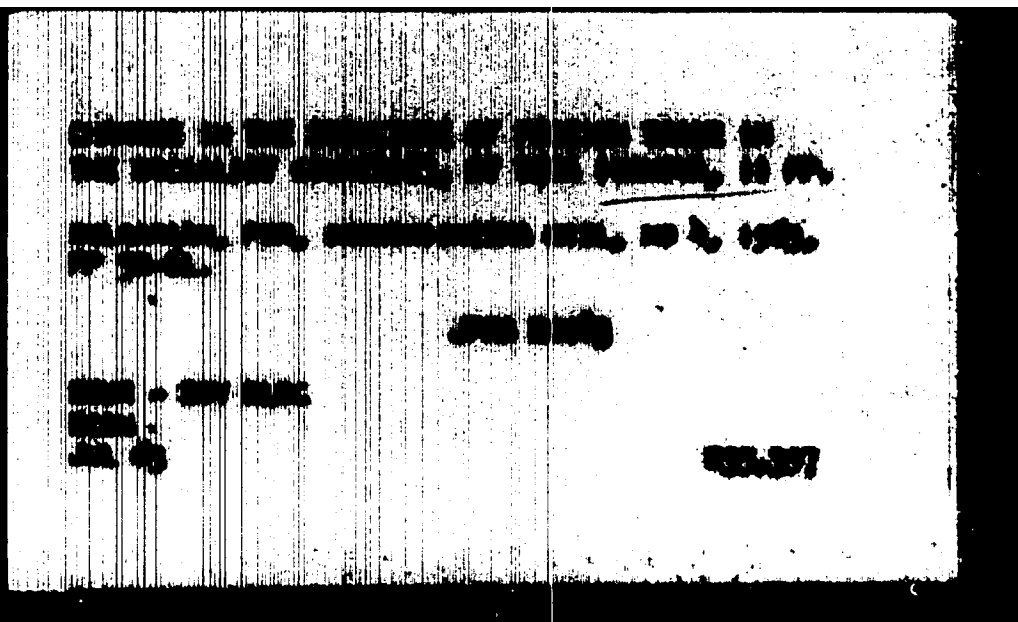
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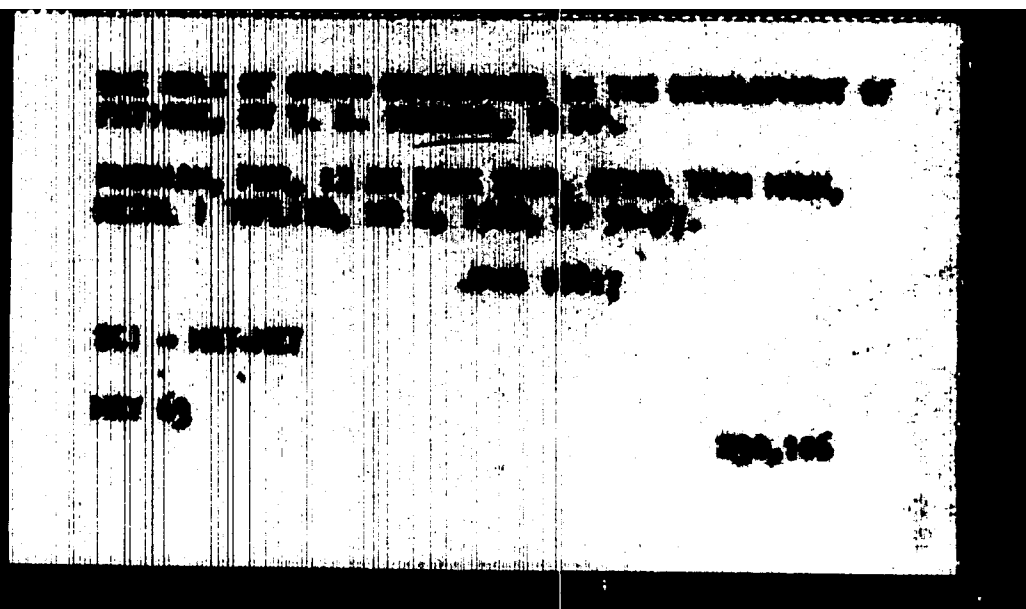
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*Fatigue (Mechanics), Lattices, Fracture (Mechanics),
Crystal structure, Elasticity.

The energy of elastic deformation of the crystal lat-
tice up to the critical point, per unit volume at the
maximum point of deformation of the crystal lattice,
as well as the energy per unit volume required for
(Metallurgy: Structural, 11, v. 8, no. 11) (over)

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I. Ivanova, V. S.

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